

AMENDMENTS TO THE CLAIMS

Please cancel claims 1-5, such that the status of the claims is as follows:

1. (Canceled)

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Original) A device for moistening a material used in a cleanroom to a target saturation level, the device comprising:

a chamber;

a rack positioned in the chamber for holding the material;

a liquid supply of a liquid;

an applicator in the chamber for applying the liquid to the material;

a delivery system for delivering the liquid from the supply to the applicator; and

a control system for controlling the amount of liquid applied to the material based on a parameter related to the target saturation level of the material.

7. (Original) The device of claim 6 wherein the control system controls the amount of liquid dispensed to the material as a function of electrical conductivity of the material.

8. (Original) The device of claim 6 wherein the control system controls the amount of liquid dispensed to the material as a function in mass of the material.

9. (Original) The device of claim 6 wherein the control system controls the amount of liquid dispensed to the material as a function of a time duration.
10. (Original) The device of claim 6 wherein the rack is centrally positioned within the chamber.
11. (Original) The device of claim 6 wherein the applicator includes a pump for pumping the liquid under pressure and a nozzle for applying the liquid.
12. (Original) The device of claim 6 wherein the control system includes a pump control for controlling the amount of liquid applied to the material.
13. (Original) The device of claim 6 wherein the control system includes a user interface for providing a user input signal representing the target saturation level.
14. (Original) The device of claim 6 wherein the control system includes a feedback sensor for providing a feedback signal representing the parameter.
15. (Original) The device of claim 6 wherein the control system includes a shut off sensor for providing a signal to the control system to disengage from the application of liquid to the material when the chamber is in an open position.
16. (Original) The device of claim 6 wherein the chamber has a drain for draining excess liquid.
17. (Original) The device of claim 16 wherein the drain leads to a liquid collection system.
18. (Original) A device for moistening a material used in a cleanroom, the device comprising:
 - a rack for holding the material;
 - an applicator spaced from and directed toward the rack for applying a liquid to the material; and

a control system for controlling application of liquid to the material based on a desired saturation level of the material.

19. (Original) The device of claim 18 wherein the applicator is movable with respect to the rack.

20. (Original) The device of claim 18 wherein the applicator comprises a plurality of nozzles.

21. (Original) The device of claim 18 wherein the plurality of nozzles has a first set of nozzles positioned above the rack and a second set of nozzles positioned below the rack.

22. (Original) The device of claim 18 wherein the control system controls the amount of liquid dispensed to the material as a function of conductivity of the material.

23. (Original) The device of claim 18 wherein the control system controls the amount of liquid dispensed to the material as a function of mass of the material.

24. (Original) The device of claim 18 wherein the control system controls the amount of liquid dispensed to the material as a function of time.

25. (Original) The device of claim 18 wherein the machine has a drainage and collection system.

26. (Original) A device for moistening a material used in a cleanroom to a desired saturation level, the device comprising:

a chamber;

a rack positioned in the chamber for holding the material;

an applicator for applying liquid to the material;

a user interface for providing a user input signal;

a feedback system for providing a feedback signal which is a function of the saturation level of the material; and

a control system for controlling the amount of liquid applied to the material as a function of the user input signal and the feedback signal.

27. (Original) The device of claim 26 further comprising a pressure applicator for applying pressure to the material to reduce liquid content of the material.